

CDR Data Analysis Course



About the Course:

The Crash Data Retrieval Data Analysis Course

offers the collision reconstructionist who has completed the basic CDR Technician Course (CDR Technician 1 and, optionally, level 2) further insight into the function of the automobile Event Data Recorder (EDR) function or subcomponent, its history and evolution, as well as expanded interpretation skills enabling the application of a Bosch Crash Data Retrieval (CDR) Tool generated report to a situationally complete crash reconstruction. Using traditional reconstruction techniques such as momentum applications, an understanding of delta-V and PDOF and admissibility hearing issues unique to this technology as the basis for the course objectives.

The CDR Data Analyst's Course covers the very latest in crash data from GM, Chrysler, Ford, Toyota, Honda, Nissan, Mazda, Suzuki, BMW, Volvo and Mercedes-Benz and others through version 14.x.

Major course topics include:

- Terms and conventions specific to this technology including crash pulse data recording strategies, and CDR System software function (hexadecimal data to plain language and CDR report format basics).
- Manufacturer specific information.
- Practical hands on exercises including integral calculus applications for recorded crash pulse data, tire size change calculations, closing velocity calculations, PDOF from crash data, PCM data analysis (finding the actual "moment of impact") and more.

Required equipment: a laptop computer with at least Adobe Acrobat Reader, a spreadsheet program (i.e.: Microsoft Office Excel), and a scientific calculator or the Window's calculator installed. Course materials and course projects are distributed digitally during the course. The CDR Tool hardware is not required for this course but having the latest version of the CDR software installed would be beneficial.

Lead Instructor: W. R. "Rusty" Haight – has taught CDR courses since the earliest Vetronix training seminar in 2000 and conducted CDR specific research used as part of the material in this course.

Signup Details:

When: June 15-19, 2015
8:00 a.m. - 5:00 p.m.

Where: Boston Police Academy
85 Williams Ave. Hyde Park, MA

Tuition: \$675 (USD)

Signup: www.collisionsafety.net

Contact: W. R. "Rusty" Haight
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at 617-343-6430

